



Engine

Model----- Cummins M11-C300
 Type----- 4 Cycle, Turbocharged/Aftercooled
 Rated power----- 224KW
 Rated speed----- 2100rpm

Main Technical Specification

N.V.W ----- 18000kg
 Payload capacity ----- 28000kg
 G.V.W ----- 46000kg
 Max. travelling speed ----- 50km/h
 Overall size(L×W×H) --- 7650×3500×3800mm
 Wheel base ----- 3600mm

Transmission System

MRT-11710B Twin Countershaft main gearbox with rear mounted auxiliary planetary gearbox, all the gears is axle bush engage shift and air pressure for the auxiliary gearbox.

Ten speeds forward and two reverse.

Drive ratio

Forward I ----- 14.73	Forward VI ----- 3.30
Forward II ----- 11.00	Forward VII ----- 2.46
Forward III ----- 8.17	Forward VIII ----- 1.83
Forward IV ----- 6.00	Forward IX ----- 1.34
Forward V ----- 4.46	Forward X ----- 1.00

Reverse I ----- 3.38

Reverse II ----- 15.10

Hoist System

Two body hoists are mounted outside the frame rails. Hoists are two stage with power down in the second stage. Hydraulic system is powered by the gear pump.

Max. working pressure----- 12Mpa

Body raise and lower time ----- ≤13.0s/9.0s

Braking System

Service brake ----- All hydraulic control, transmission mounted pressure compensating piston pump providing hydraulic pressure, independent brake on front and rear

Parking brake ----- Rear brake applied by spring loaded opposing piston on disc pack, hydraulically released

Retardation brake ----- Modulated lever control of rear disc brakes or hydraulic retarder in transmission

Frame And Dump Body

Frame

Full box section frame rails with integral front bumper and doped-loop crossmember. Torgue Tube and Crossmember and mounting castings of high yield strength steel.

Dump Body

Longitudinal"v" type floor plate with integral transverse box-section stiffeners the body rest on resilient impact absorption pads.

Body wear surfaces are high strength and high hardness abrasion resistant steel.

Struck (SAE) ----- 14.3m³

Heaped 2:1 (SAE) ----- 18.0m³

Steering And Suspension System

Steering

Full hydraulic power steering by two double-acting steering cylinders. Pressure is supplied to a load sensing and priority steering valves by an engine driven gear pump. The system provides uniform steering regardless of engine speed.

Suspension

Front ----- Sinoway manufactured king pin strut type independent front wheel suspension by self contained, variable rate, nitrogen/oil cylinders.

Rear ----- Sinoway manufactured variable rate nitrogen/oil cylinders with A-Frame linkage and lateral stabilizer bar.

Drive Axle

Heavy duty axle with full floating axle shafts, single reduction spiral bevel gear differential, and planetary reduction at each wheel.

Ratios

Differential ----- 2.50:1

Planetary ----- 4.59:1

Total reduction ----- 11.48:1

Cab And Tyre

All steel construction, adjustable seat, fully thermal and noise insulated, instrumental panel with gauges, warning and indicator lamps, automotive safety glass all round

Tyre size ----- 24:00 R 35 radial